

IN THE SPECIFICATION

Please replace the paragraph beginning at page 5, line 26, with the following amended paragraph:

Figure 1 displays the nucleotide sequence for panec-1 (SEQ ID NO:1) and the predicted amino acid (aa) sequence of the pancreas expressed chemokine, PANEC-1 (SEQ ID NO:2).

Please replace the paragraph beginning at page 5, line 28, with the following amended paragraph:

Figures 2A and 2B display the nucleotide sequence for panec-2 (SEQ ID NO:3) and the predicted amino acid (aa) sequence of the pancreas expressed chemokine, PANEC-2 (SEQ ID NO:4).

Please replace the paragraph beginning at page 6, line 1, with the following amended paragraph:

Figures 3A, 3B and 3C show the aa alignment of PANEC-1 and PANEC-2 with other human chemokines of the C-C family. Alignments shown were produced using the multisequence alignment program of DNASTAR software (DNASTAR Inc, Madison WI).

Please replace the paragraph beginning at page 17, line 14, with the following amended paragraph:

From all of the randomly picked and sequenced clones of the human pancreas library, the panec sequences were homologous to but clearly different from one another and from any known C-C chemokine molecule. The complete nucleotide sequences for panec-1 and panec-2 were translated, and the in-frame translations, as identified, are shown in Figs. 1 and 2, respectively. When all three possible predicted translations of the sequence were searched against protein databases such as SwissProt and PIR, no exact matches were found to the possible translations of panec-1 or panec-2. Figures 3A-3C show the comparison of PANEC-1 and PANEC-2 amino acid sequences with other β

chemokine molecules. The substantial regions of homology among these molecules which includes the definitive C-C motif are shaded. Hydrophobicity plots for PANEC-1 and PANEC-2 are shown as Figs. 4 and 5, respectively. The phylogenetic analysis (Figure 6) shows how closely panec-1 and panec-2 are related to one another and to other well characterized human C-C chemokines. The most related of these molecules cluster together at the right hand side of the figure.